



Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No. 30203/37265	Serial No. 09/905,736
<b>INFORMATION DISCLOSURE STATEMENT</b>		Applicant Frick et al.	
		Filing Date 07/13/01	Group 2872

**FOREIGN PATENT DOCUMENTS**

*Examiner Initials		Document Number	Publication Date	Country	Class	Subclass	Translation	
							Yes	No
AM	B14	60-134219	17/07/85	JP	—	—	Abstract only	
AM	B15	60-190038	27/09/85	JP	—	—	Abstract only	
AM	B16	61-121042	09/06/86	JP	—	—	Abstract only	
AM	B17	61-231522	15/10/86	JP	—	—	Abstract only	
AM	B18	62-49336	04/03/87	JP	—	—	Abstract only	
AM	B19	62-69247	30/03/87	JP	—	—	Abstract only	
AM	B20	4-30130	03/02/92	JP	—	—	Abstract only	
AM	B21	4-287028	12/10/92	JP	—	—	Abstract only	
AM	B22	5-93924	16/04/93	JP	—	—	Abstract only	
AM	B23	5-142587	11/06/93	JP	—	—	Abstract only	
AM	B24	6-95173	08/04/94	JP	—	—	Abstract only	
AM	B25	8-234246	13/09/96	JP	—	—	Abstract only	
AM	B26	10-206910	07/08/98	JP	—	—	Abstract only	
AM	B27	2000-105321	11/04/00	JP	—	—	Abstract only	
AM	B28	2000-221553	11/08/00	JP	—	—	Abstract only	
AM	B29	WO 00/02098	13/01/00	PCT	—	—		

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)**

AM	C1	Chan, "Compact Disc Pickup Designs" July 18, 2000
AM	C2	Jahns, et al. "Planar Integration of Free-Space Optical Components," <i>Applied Optics</i> 28(9):1602-1605 (1989)
AM	C3	Krygowski et al. "Development of a Compact Optical-MEMS Scanner with Integrated VCSEL Light Source and Diffractive Optics," <i>SPIE</i> 3878:20-28 (1999)
AM	C4	Krygowski et al. "Integrated Microsystems" <i>Proc. Of SPIE</i> 3878:20-28 (1999)
AM	C5	Wendt, et al. "Fabrication of diffractive optical elements for an integrated compact optical microelectromechanical system laser scanner," <i>J. Vac. Sci. Technol.</i> 18(6):3608-3611 (2000)

EXAMINER Alexander Amos	DATE CONSIDERED 6/10/03
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance <u>and</u> not considered. Include copy of this form with next communication to applicant.	



Form PTO-1449 (Modified)

U.S. Department of Commerce  
Patent and Trademark Office

Attorney Docket No.

30203/37265

Serial No.

09/905,736

**INFORMATION DISCLOSURE  
STATEMENT**

Applicant

Frick et al.

Filing Date

07/13/01

Group

2872

**U.S. PATENT DOCUMENTS**

*Examiner Initials		Document Number	Issue Date	Name	Class	Subclass	Filing Date, If Appropriate
AVA	A54	5,748,811	05/05/98	Amersfoort et al.	—	—	
AVA	A55	5,770,855	06/23/98	Fischer	—	—	
AVA	A56	5,771,320	06/23/98	Stone	—	—	
AVA	A57	5,771,321	06/23/98	Stern	—	—	
AVA	A58	5,786,925	07/28/98	Goossen et al.	—	—	
AVA	A59	5,875,271	02/23/99	Laughlin	—	—	
AVA	A60	5,960,133	09/28/99	Tomlinson	—	—	
AVA	A61	5,966,223	10/12/99	Friesem et al.	—	—	
AVA	A62	6,072,923	06/06/00	Stone	—	—	
AVA	A63	6,093,941	07/25/00	Russell et al.	—	—	
AVA	A64	6,169,613 B1	01/02/01	Amitai et al.	—	—	

**FOREIGN PATENT DOCUMENTS**

*Examiner Initials		Document Number	Publication Date	Country	Class	Subclass	Translation	
							Yes	No
AVA	B1	0137851	24/04/85	EPO	—	—		
AVA	B2	0277779	10/08/88	EPO	—	—		
AVA	B3	0279679	11/11/92	EPO	—	—		
AVA	B4	57-35828	26/02/82	JP	—	—	Abstract only	
AVA	B5	57-173814	26/10/82	JP	—	—	Abstract only	
AVA	B6	57-173819	26/10/82	JP	—	—	Abstract only	
AVA	B7	57-173820	26/10/82	JP	—	—	Abstract only	
AVA	B8	59-147322	23/08/84	JP	—	—	Abstract only	
AVA	B9	59-176731	06/10/84	JP	—	—	Abstract only	
AVA	B10	59-185311	20/10/84	JP	—	—	Abstract only	
AVA	B11	59-214020	03/12/84	JP	—	—	Abstract only	
AVA	B12	60-22120	04/02/85	JP	—	—	Abstract only	
AVA	B13	60-97319	31/05/85	JP	—	—	Abstract only	

EXAMINER

Alexander Y. Arman

DATE CONSIDERED

6/10/02

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO-1449 (Modified)

U.S. Department of Commerce  
Patent and Trademark Office

Attorney Docket No.

30203/37265

Serial No.

09/905,769

**INFORMATION DISCLOSURE  
STATEMENT**

Applicant

Frick et al.

Filing Date

07/13/01

Group

**U.S. PATENT DOCUMENTS**

*Examiner Initials		Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
AVH	A1	3,514,183	05/26/70	Rabedeau	—	—	
AVH	A2	3,947,630	03/30/76	Javan	—	—	
AVH	A3	4,013,000	03/22/77	Kogelnik	—	—	
AVH	A4	4,111,524	09/05/78	Tomlinson, III	—	—	
AVH	A5	4,115,747	09/19/78	Sato et al.	—	—	
AVH	A6	4,165,155	08/21/79	Gordon, II et al.	—	—	
AVH	A7	4,257,016	03/17/81	Kramer, Jr. et al.	—	—	
AVH	A8	4,303,302	12/01/81	Ramsey et al.	—	—	
AVH	A9	4,356,730	11/02/82	Cade	—	—	
AVH	A10	4,387,955	06/14/83	Ludman et al.	—	—	
AVH	A11	4,498,730	02/12/85	Tanaka et al.	—	—	
AVH	A12	4,571,024	02/18/86	Husbands	—	—	
AVH	A13	4,626,066	12/02/86	Levinson	—	—	
AVH	A14	4,657,339	04/14/87	Fick	—	—	
AVH	A15	4,662,746	05/05/87	Hornbeck	—	—	
AVH	A16	4,674,828	06/23/87	Takahashi et al.	—	—	
AVH	A17	4,705,349	11/10/87	Reedy	—	—	
AVH	A18	4,710,732	12/01/87	Hornbeck	—	—	
AVH	A19	4,715,680	12/29/87	Kawaguchi et al.	—	—	
AVH	A20	4,718,056	01/05/88	Schultheiss	—	—	
AVH	A21	4,755,415	07/05/88	Iijima et al.	—	—	
AVH	A22	4,764,889	08/16/88	Hinton et al.	—	—	
AVH	A23	4,815,827	03/28/89	Lane	—	—	
AVH	A24	4,867,532	09/19/89	Stanley	—	—	
AVH	A25	4,904,039	02/27/90	Soref	—	—	
AVH	A26	5,024,500	06/18/91	Stanley et al.	—	—	
AVH	A27	5,029,981	07/09/91	Thompson	—	—	

EXAMINER

Alexander V. Arment

DATE CONSIDERED

6/10/03

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO-1449 (Modified)

U.S. Department of Commerce  
Patent and Trademark Office

Attorney Docket No.

30203/37265

Serial No.

09/905,736

**INFORMATION DISCLOSURE  
STATEMENT**Applicant  
Frick et al.

Filing Date

07/13/01

Group

2872

**U.S. PATENT DOCUMENTS**

*Examiner Initials		Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
ava	A28	5,036,042	07/30/91	Hed	—	—	
ava	A29	5,040,864	08/20/91	Hong	—	—	
ava	A30	5,063,418	11/05/91	Shurtz, II et al.	—	—	
ava	A31	5,083,857	01/28/92	Hornbeck	—	—	
ava	A32	5,107,359	04/21/92	Ohuchida	—	—	
ava	A33	5,133,027	07/21/92	Funazaki et al.	—	—	
ava	A34	5,153,770	10/06/92	Harris	—	—	
ava	A35	5,155,617	10/13/92	Solgaard et al.	—	—	
ava	A36	5,155,778	10/13/92	Magel et al.	—	—	
ava	A37	5,157,756	10/20/92	Nishimoto	—	—	
ava	A38	5,221,987	06/22/93	Laughlin	—	—	
ava	A39	5,231,304	07/27/93	Solomon	—	—	
ava	A40	5,255,332	10/19/93	Welch et al.	—	—	
ava	A41	5,262,000	11/16/93	Welbourn et al.	—	—	
ava	A42	5,278,925	01/11/94	Boysel et al.	—	—	
ava	A43	5,291,566	03/01/94	Harris	—	—	
ava	A44	5,311,360	05/10/94	Bloom et al.	—	—	
ava	A45	5,377,288	12/27/94	Kashyap et al.	—	—	
ava	A46	5,455,709	10/03/95	Dula, III et al.	—	—	
ava	A47	5,491,762	02/13/96	Deacon et al.	—	—	
ava	A48	5,500,910	03/19/96	Boudreau et al.	—	—	
ava	A49	5,532,855	07/02/96	Kato et al.	—	—	
ava	A50	5,537,617	07/16/96	Zavislan et al.	—	—	
ava	A51	5,661,592	08/26/97	Bornstein et al.	—	—	
ava	A52	5,661,593	08/26/97	Engle	—	—	
ava	A53	5,682,255	10/28/97	Friesem et al.	—	—	

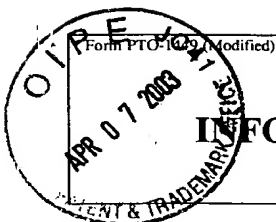
EXAMINER

Alexander V. Arini

DATE CONSIDERED

6/14/03

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO-1029 (Modified)

U.S. Department of Commerce  
Patent and Trademark Office

Attorney Docket No.

30203/37265

Serial No.

09/905,769

# **INFORMATION DISCLOSURE STATEMENT**

Applicant

Frick et al.

Filing Date

07/13/01

Group

2872

## **U.S. PATENT DOCUMENTS**

*Examiner Initials		Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
<i>Ad</i>	A66	6,212,314	04-03-01	Ford	385	30	

## **FOREIGN PATENT DOCUMENTS**

*Examiner Initials		Document Number	Publication Date	Country	Class	Subclass	Translation	
							Yes	No
<i>Avq</i>	B34	0 969 306	01-05-00	EPO	—	—		
<i>Avq</i>	B35	WO 01/42825	06-14-01	PCT	—	—		

## **OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)**

<i>Avq</i>	C7	International Search Report from PCT/US02/13343
<i>Avh</i>	C8	Völkel, et al. "Optical backplane for a broadband switching system," <i>Electronics Letters</i> 31(3):234-235 (1995)

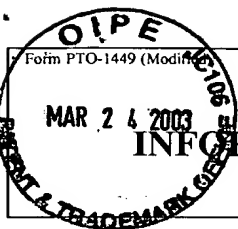
EXAMINER

*Abbas V. Amiri*

DATE CONSIDERED

*6/10/03*

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO-1449 (Modified)

U.S. Department of Commerce  
Patent and Trademark Office

Attorney Docket No.

30203/37265

Serial No.

09/905,769

Applicant

Frick et al.

Filing Date

07/13/01

Group

~~2812~~ 2872

# INFORMATION DISCLOSURE STATEMENT

## U.S. PATENT DOCUMENTS

*Examiner Initials		Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
<i>AVI</i>	A65	5,315,676	05-24-94	Sunagawa	385	37	

## FOREIGN PATENT DOCUMENTS

*Examiner Initials		Document Number	Publication Date	Country	Class	Subclass	Translation	
							Yes	No
<i>AVI</i>	B30	62146443	06-30-87	JP	—	—	Abstract only	
<i>AVI</i>	B31	0 322 218	06-28-89	EPO				
<i>AVI</i>	B32	0 609 812	08-10-94	EPO				
<i>AVA</i>	B33	0 467 303	01-22-92	EPO				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

<i>AVA</i>	C6	International Search Report from PCT/US02/13309

EXAMINER

*Alexandra V. Aron*

DATE CONSIDERED

*6/16/03*

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.